

## APPENDIX I

## PROPOSAL TO THE NATIONAL SCIENCE FOUNDATION

## Cover Page

FOR CONSIDERATION BY NSF ORGANIZATIONAL UNIT (Indicate the most specific unit known, i.e. program, division, etc.)		IS THIS PROPOSAL BEING SUBMITTED TO ANOTHER FEDERAL AGENCY? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> : IF YES, LIST ACRONYM(S):	
Developmental Biology			
PROGRAM ANNOUNCEMENT/SOLICITATION NO.:		CLOSING DATE (IF ANY):	
NAME OF SUBMITTING ORGANIZATION TO WHICH AWARD SHOULD BE MADE (INCLUDE BRANCH/CAMPUS/OTHER COMPONENTS)			
President and Fellows of Harvard College			
ADDRESS OF ORGANIZATION (INCLUDE ZIP CODE)			
c/o Office for Sponsored Research			
Holyoke Center, Room 458, Cambridge, Massachusetts 02138			
TITLE OF PROPOSED PROJECT			
Northeast Regional Conference on Developmental Biology (1985)			
REQUESTED AMOUNT:	PROPOSED DURATION	DESIRED STARTING DATE	
\$4,315	1 year	March 1, 1985	
PI/PD DEPARTMENT	PI/PD ORGANIZATION	PI/PD PHONE NO. AREA CODE:	
Anatomy	Harvard Medical School	(617) 732-2072	
PI/PD NAME	SOCIAL SECURITY NO.*	DATE OF HIGHEST DEGREE ACHIEVED	MALE* FEMALE*
David A. Begg		Dec. 1975	X
ADDITIONAL PI/PD & SIGNATURE			
ADDITIONAL PI/PD & SIGNATURE			
ADDITIONAL PI/PD & SIGNATURE			
ADDITIONAL PI/PD & SIGNATURE			
FOR RENEWAL OR CONTINUING AWARD REQUEST, LIST PREVIOUS AWARD NO.:		IF SUBMITTING ORGANIZATION IS A SMALL BUSINESS CONCERN, CHECK HERE <input type="checkbox"/> (See CFR Title 13, Part 121 for Definitions)	
* Submission of SSN and other personal data is voluntary and will not affect the organization's eligibility for an award. However, they are an integral part of the NSF information system and assist in processing proposals. SSN solicited under NSF Act of 1950, as amended.			
CHECK APPROPRIATE BOX(ES) IF THIS PROPOSAL INCLUDES ANY OF THE ITEMS LISTED BELOW:			
<input type="checkbox"/> Animal Welfare	<input type="checkbox"/> Human Subjects	<input type="checkbox"/> National Environmental Policy Act	
<input type="checkbox"/> Endangered Species	<input type="checkbox"/> Marine Mammal Protection	<input type="checkbox"/> Research Involving Recombinant DNA Molecules	
<input type="checkbox"/> Historical Sites	<input type="checkbox"/> Pollution Control	<input type="checkbox"/> Proprietary and Privileged Information	
PRINCIPAL INVESTIGATOR/ PROJECT DIRECTOR	AUTHORIZED ORGANIZATIONAL REP.	OTHER ENDORSEMENT (optional)	
NAME	NAME	NAME	
David A. Begg		John M. Deeley	
SIGNATURE	SIGNATURE	SIGNATURE	
<i>David A. Begg</i>			
TITLE	TITLE	TITLE	
Assistant Professor		Associate Dean for Business & Finance	
DATE	Telephone No.	DATE	Telephone No.
9-28-84	Area Code: 617		Area Code:
	732-2072		

## APPENDIX IV

## NATIONAL SCIENCE FOUNDATION

## PROJECT SUMMARY

FOR NSF USE ONLY			
DIRECTORATE/DIVISION	PROGRAM OR SECTION	PROPOSAL NO.	F.Y.
NAME OF INSTITUTION (INCLUDE BRANCH/CAMPUS AND SCHOOL OR DIVISION)			
Harvard Medical School			
ADDRESS (INCLUDE DEPARTMENT)			
Department of Anatomy LHRRB 45 Shattuck Street Boston, MA 02115			
PRINCIPAL INVESTIGATOR(S)			
David A. Begg			
TITLE OF PROJECT			
Northeast Regional Conference on Developmental Biology (1985)			
TECHNICAL ABSTRACT (LIMIT TO 22 PICA OR 18 ELITE TYPEWRITTEN LINES)			
<p>Funds are requested to help support the 1985 Northeast Regional Conference on Developmental Biology, to be held April 4-6, 1985 at the Marine Biological Laboratory, Woods Hole, MA. The major topics for the 1985 Conference are:</p> <ol style="list-style-type: none"><li>I. Fertilization and the Activation of Development</li><li>II. Cancer and Cell Differentiation</li><li>III. Cytoskeletal Organization and Development</li><li>IV. Molecular Controls of Development</li></ol> <p>In addition to these special topics, a general session of contributed papers and a poster session will also be held.</p> <p>The purpose of the conference is to bring together graduate students, post-doctoral fellows and established researchers from the Northeast with a common interest in Developmental Biology. The conference will be organized so as to maximize personal interactions between junior and senior investigators, and will emphasize participation by graduate students and post-doctoral fellows.</p>			

NORTHEAST REGIONAL CONFERENCE ON DEVELOPMENTAL BIOLOGYI. General Organization of the Conference.

The annual Northeast Regional Conference on Developmental Biology will be held on April 4-6, 1985 at the Marine Biological Laboratories, Woods Hole, Massachusetts. The purpose of the conference is to bring together Scientists from the New England, New York and northern New Jersey area with a common interest in Developmental Biology. The meeting will be organized around four topics of central importance to the field of Developmental Biology: 1) Fertilization and Activation of Development, 2) Cytoskeletal Organization and Development, 3) Molecular Controls of Development, and 4) Cancer and Cellular Differentiation. The first three topics will be presented as sessions of contributed papers, each 3 hrs in length and consisting of 5 speakers. Chairpersons for each of these sessions have been selected and have agreed to plan their programs so as to maintain a balance of established investigators and post-doctoral fellows/graduate students among the speakers. The program will not be formalized until responses are received from an early mailing in November announcing the topics for the conference. In addition to the three topic sessions, one session has been left open to accomodate contributed papers that do not fall within the areas covered by the special sessions. The fourth topic, Cancer and Cellular Differentiation, will be presented as an evening Minisymposium with Dr. Charles Stiles serving as moderator. We will also have a keynote address by Dr. Raymond Rappaport on Mitotic Apparatus-Cell Surface Interactions and Cell Division. The topics have been chosen so as to attract scientists using a wide range of different approaches to the study of development, including molecular biologists, cell biologists, geneticists, neurobiologists, experimental embryologists, etc.

In addition to the formal sessions, we also plan to have a poster session and two social events to foster informal interactions between conference participants.

II. Location of Conference.

As in previous years, the 1985 Conference will be held at the Marine Biological Laboratory, Woods Hole, Massachusetts. The MBL has been selected as the conference site because of its outstanding conference facilities, its central location in the northeast, its accessibility by public transportation, and its long history as a center of excellence in developmental biology research.

III. Need for a Conference.

The Northeast Regional Conference on Developmental Biology serves a number of important functions that are not met by other meetings. First, regional meetings such as this are the only annual meetings that cover a broad range of topics in Development Biology. The national meeting of the Society for Developmental Biology is limited to a single, different topic each year. Other conferences, such as the annual meeting of the American Society for Cell Biology, while containing some developmental biology, are not focused on this topic. Second, because the regional conference is small (~100 participants), it provides a greater opportunity for graduate students and post-doctoral fellows to actively participate in an exchange of ideas, results and methodologies in developmental biology. The relative informality fostered by such a small group encourages interactions between younger scientists and established researchers. As national meetings become larger and more impersonal each year, regional meetings assume greater importance as a forum in which younger scientists can present their work in an environment designed to maximize personal interactions.

#### IV. Publicity.

The northeast, with its concentration of colleges and universities, is one of the most active areas of developmental biology research in the country. This year an increased effort will be made to reach more of these researchers. In addition to mailing lists compiled from records of previous participants, we are seeking help from both the Society for Developmental Biology and the American Society of Zoologists in locating researchers with potential interest in the conference. A committee has been set up, consisting of the PI, Clarke Millette, Stuart Moss, and Kathy Svoboda of Harvard Medical School, and Susan Ernst of Tufts University, to begin contacting colleagues at colleges, universities and research institutes in the northeast area to act as campus organizers. Campus organizers will disseminate information about the conference at their institutions and will contact deans and administrators for funds to help support graduate student travel to the conference. The use of campus organizers has been very successful in publicizing the West Coast Regional Conference.

An announcement of the conference, including a preliminary program, will be sent out in November. This announcement will include an invitation to anyone wishing to present a paper in a special topic session to contact the appropriate session chair, who will make the final decision on the composition of the session. A final notice will be sent out in January calling for all abstracts, including those to be presented in the general session and poster session to be submitted by a February 15 deadline. In addition, an announcement of the Conference will be sent to the Society for Developmental Biology and the American Society of Zoologists for inclusion in their newsletters.

#### V. Recent History of the Conference.

March 23-25, 1984

Marine Biological Laboratory,  
Woods Hole, MA  
Organizer: Dr. Irving Brick,  
Department of Biology, New York  
University.

March 19-21, 1983

Marine Biological Laboratory,  
Woods Hole, MA  
Organizer: Dr. Jack Collier,  
Department of Biology, Brookline  
College.

PRELIMINARY PROGRAM FOR CONFERENCEFriday, April 4

9:00 am-noon	Registration	
noon	Lunch	
2:00 pm	Session I:	<u>Fertilization and the Activation of Development.</u> Laurinda Jaffe, Chair University of Connecticut Health Science Center
5:00 pm	Free Time/ Poster Session**	
6:00 pm	Dinner	
8:00 pm	Minisymposium	<u>Cancer and Cell Differentiation</u> Charles Stiles, Moderator Harvard Medical School
10:00 pm	Social/ Poster Session	

Saturday, April 5

7:00 am	Breakfast	
9:00 am	Session II:	<u>Cytoskeletal Organization and Development</u> Joel Rosenbaum, Chair Yale University
Noon	Lunch	
1:00 pm	Business Meeting	
2:00 pm	Session III:	<u>Molecular Control of Development</u> Susan Ernst, Chair Tufts University

Saturday, April 5 (cont.)

5:00 pm	Free Time/ Poster Session	
6:00 pm	Dinner	
8:00 pm	Keynote Address:	<u>Mitotic Apparatus-Cell Surface Interactions and Cell Division</u>  Dr. Raymond Rappaport, Union College
9:00 pm	Social/ Poster Session	

Sunday, April 6

7:00 am	Breakfast	
9:00 am	Session IV:	<u>General Contributed Papers</u> Stuart Moss, Chair Harvard Medical School
Noon	Lunch and Departure	

\*\* Posters will be put up Friday afternoon and left up for the duration of the conference so that attendees can view them at their leisure during free periods and during social gatherings. Posters will be displayed in the Swope Center, adjacent to the location of the social gatherings.

## VII: ESTIMATED BUDGET FOR 1985 CONFERENCE

Estimated Expenses

Subsistence expenses for 30 graduate students to attend conference	\$ 3,300
Social events and coffee breaks	1,000
Whitman lecture hall rental for 3 days	300
Rental of poster display area for 2 days	200
Expenses for Minisymposium speakers	525
Honorarium, travel and living expenses for keynote speaker	350
Printing, mailing, copying telephone expenses	600
TOTAL EXPENSE:	<u>\$ 6,275</u>

Estimated Income

Registration Fees:	
Non-student (\$16 X 70)	\$ 1,120
Student (\$ 8 X 30)	240
Grants from:	
The Society for Developmental Biology	500
American Society of Zoologists	100
Total Income	<u>\$ 1,960</u>
<u>Balance Requested from the NSF</u>	<u>\$ 4,315</u>